

CLAIMS

1. Combined elastic sports floor of the type comprising a base component (A) designed on the basis of polyurethane foam intended to be in contact with a receiving base slab (2), two rows of intermediate elements and a point elastic floor of the type comprising a plurality of complete modular elements established according to a specific format and dimension, in a structural configuration enabling them to be assembled by interlocking, and a plurality of modular edging elements having one and the same structure, characterized in that the plurality of modular elements comprises a first subassembly consisting in the association of a base component (A) and a first intermediate element (B), and a second subassembly consisting in a second intermediate element (C) and a top component (D) forming the point elastic floor, the two subassemblies (S1-S2) being secured one to the other by connecting means with an angular orientation offset in order to define the contact surfaces (13) and allow assembly by interlocking, and in that the intermediate elements (B-C) are disposed with a median honeycomb structure (6) sandwiched between two stiffening plates (7-8) of the same format and dimension, said plates being of nonwoven material and having means of reinforcement and stiffening, and in that the plates have means of reinforcement disposed in a canvass of warp threads and weft threads.
2. Sports floor according to claim 1, characterized in that the means of reinforcement are made of glass fiber.
3. Sports floor according to claim 1, characterized in that connecting means of the adhesive coat type

are used to connect the components together.

4. Sports floor according to any one of claims 1 to 3, characterized in that the modular edging elements have a structure identical to the complete modular elements and are only cut in a transverse or longitudinal plane to obtain a straight edge for installation along the outer periphery of the hall to be fitted out.
5. Method of fabrication of combined elastic sports floors obtained according to claims 1 to 4, characterized in that:
  - the component (A) is made of polyurethane foam with a bonding agent applied to one face,
  - the first intermediate component (B) is made with a median honeycomb structure and two stiffening plates one on each side, and said first intermediate component is secured by bonding to said component (A),
  - the intermediate component is coated with a bonding agent on all or a portion of its surface,
  - the second intermediate component (C) of the same structure as the component (B) is produced and is placed on said first intermediate component (B) in an offset position,
  - an operation is carried out to press the two intermediate components together for a final bond.
6. Method of fabrication according to claim 5, characterized in that the external component (D) defining the point elastic floor is disposed and secured according to the pre-established format of the complete and partial modular elements.
7. Method of fabrication according claim 5, characterized in that the outer component (D)

defining the point elastic floor is presented in rolls on the surface of the hall to be covered after the various modular elements have been put in place.